

Issue Date: 11/09/2012

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File: PSS-167DLR-W5X

15kV	200A Loadbreak Direct Test Elbow	w/o Test Point	167DLR-W5X
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Features:

- 15kV, 200A Loadbreak Elbow Connector
- Fully shielded, fully submersible molded rubber housing
- 100% Peroxide-cured insulation, insert and jacket
- Provision for hot stick operation
- Provision for ground wire connection
- Wide cable range with minimum number of cable sizes
- Elastimold® Direct Test System port for easy energized status determination

167DLR Loadbreak Direct Test Elbow Connector

Applications:

The Elastimold® 167DLR Direct Test Elbow is a fully rated 15kV, 200 Amp Class loadbreak elbow connector which incorporates Elastimold® Direct Test System (EDTS) for isolation, testing, and grounding. EDTS includes an insulated port on the separable connector providing a direct path to the conductor. The port, along with a 200TC series meter adapter, provides a means for direct conductor voltage testing. An insulated and shielded cap covers the port in normal operation on the 167DLR. Once the circuit is de-energized and isolated by switching, the EDTS test can be used along with your normal procedures. An example of the application of EDTS could include the following:

- An approved Elastimold® adapter is attached to the appropriate medium/high voltage direct test meter on an appropriate line stick.
- The cap is removed using a line stick.
- The spring-loaded pin of the adapter is inserted into the port until the adapter is fully seated on the port.
- The direct test reading is made to assure the circuit is de-energized.

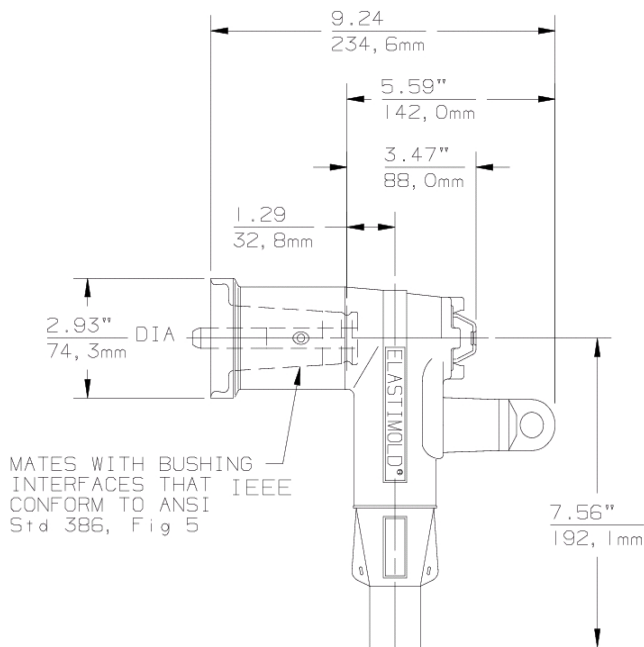
Ratings:

Meets ANSI/IEEE Standard 386, Latest Revision

For 15kV Voltage Class:

8.3kV Max Phase-to-Ground – Operating Voltage
 14.4kV Max Phase-to-Phase
 95kV BIL – Impulse Withstand (1.2 x 50 microsecond wave)
 34kV AC – One minute withstand
 53kV DC – 15 minutes withstand
 11kV AC – Corona Extinction @ 3pC sensitivity
 200 Amp – Continuous and Loadbreak
 10kA Sym – 10 Cycles Momentary & Fault Close

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CATALOG NUMBER SELECTION

Step 1 (W)

Determine the insulation diameter of the cable. Select the insulation letter code that best straddles the insulation diameter from W table below. Insert code into catalog number.

Step 2 (X)

Choose the proper compression lug code according to the conductor size from the Conductor Code Table. Insert code into catalog number.

Example:

The ordering number for a Direct Test Elbow for a 1/0 compressed/stranded, 220 mil wall cable with an insulation diameter of .805" to .895" is 167DLR-7495-5240.

167DLR

W Code

XXX Code

5

Cable Insulation Diameter in Inches		Cable Insulation Diameter in mm		Symbol for W
MIN.	MAX.	MIN.	MAX.	
0.640	0.820	16.26	20.83	F
0.760	0.950	19.30	24.13	G
0.850	1.050	21.59	26.67	H
0.980	1.180	24.89	29.97	J
1.090	1.310	27.69	33.27	K

XXX Code	Conductor Size AWG or kcmil			Connector only	
	Strand./ Compr.	Solid/ Comp.	mm ²	Bi-Metal	Copper
190	-	#4	16.76	02500190	02702190
200	#4	#3	21.14	02500200	02702200
210	#3	#2	26.67	02500210	02702210
220	#2	#1	33.62	02500220	02702220
230	#1	1/0	42.41	02500230	02702230
240	1/0	2/0	53.49	02500240	02702240
250	2/0	3/0	67.43	02500250	02702250
260	3/0	4/0	85.01	02500260	02702260
270	4/0	250	26.67	02500270	02702270

Each kit contains the following:

1	Elbow connector housing	167DLR-W
1	Bi-metal compression lug	02500XXX
1	Probe wrench	271-94
1	Probe	166LRF
1	Tube, lubricant	82-08
1	Installation instruction	IS-1104
1	Crimp chart	CC-0020